Session 308

Network Services Location

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Introduction

- History of NSL
- NSL on Mac OS 9
- NSL on Mac OS X
- NSL in the Mac OS X environment
- SLP Server in Mac OS X and Mac OS X Server
- Future directions for NSL

History of NSL

- Browsing for services on the network
- NBP for TCP/IP
  - No longer need AppleTalk

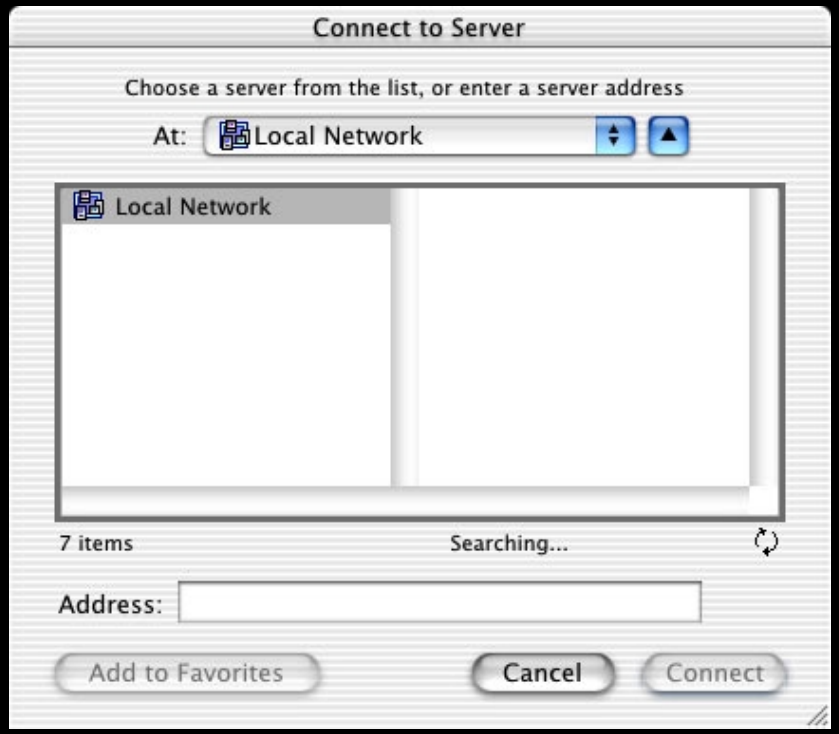
NSL on Mac OS 9

- NSL shipping with since 8.0
- Callable via API
  - No changes in SDK
- Available via AppleScript
- Multiple plug-ins
  - NBP, LDAP, SLP

NSL on Mac OS X

- Carbon UI Library
- Available via AppleScript
- New UI
- Plug-ins available
  - SLP
  - NBP there but available through Low-Level APIs only
- DS plug-in—didn't make ship date
- No LDAP plug-in—LDAP via DS

The New UI


Connect to Server
Choose a server from the list, or enter a server address
At:
Local Network
Local Network
7 items
Searching...
Address:
Add to Favorites
Cancel
Connect

NSL in the Mac OS X Environment

- Threading is different
  - No YieldToAnyThread
- Frameworks
- Calling NSL for Carbon.framework
  - UI Lib lives here
- Calling from CoreServices.framework
  - Low Level Manager APIs

More NSL in the Mac OS X Environment

- Protocol Info is no longer available per NSLNeighborhood
- The protocol list is handed to the manager when calling NSLOpenNavigationAPI
- Multiple Services per search no longer available
- The NSLUI only gets one protocol list per dialog
- Synchronous searching no longer supported
- No need to call NSLContinueLookup

SLP Server in Mac OS X

- slpd ships with Mac OS X
- Full configuration in Mac OS X Server
- You can now add scopes to your network
  - No more flat network
- SLP Scope Utility
  - Ships with Mac OS X Server
  - Added to a System Pref in future
  - AppleScript in Mac OS 9

Future Directions for NSL

- We need your feedback
- Cocoa UI
- Using CoreFoundation types
- More UI control options
- Attribute lists in URLs
- Full SLP Library
  - Support for SLP attributes
- More integration
  - Seamless finder implementation

Meta URLs

- Service types
  - **x-file://afp://<address>/?name…**
  - **x-file://nfs ://<address>/?name…**
  - **x-file://http://<address>… for WebDAV**
  - **x-web://http://…**
  - **x-web://https://…**
  - **x-print://lpr://<address>/<attributelist>…**

Q&A

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http://developer.apple.com/events/urls.html

Roadmap

301 Mac OS X Server	Room A1 **Tues., 2:00pm**
302 Directory Services	Room A1 **Tues., 3:30pm**

Who to Contact

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http://developer.apple.com/events/urls.html

WWDC

Worldwide Developers Conference 2001